

**New Mexico Temporary Standards
Variance Demonstration and Highest Attainable Condition Analysis for Las Vegas
Briefing for Sara Hisel-McCoy
August 2019**

Purpose

The purpose of this briefing is to provide an overview of the temporary standard analysis for Las Vegas, NM WWTF based on a Factor 6 demonstration and:

Ex. 5 Deliberative Process (DP)

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Baseline Data on Las Vegas WWTF

- Activated sludge system configured for biological nutrient removal (BNR), specifically nitrification/denitrification.
- The facility is currently in the process of implementing a DO control system with the support of a consultant to improve nutrient removal and reduce variability.
- Design flow: 2.5 MGD; current 30-day average flow 1.3 MGD
- Receiving water (Gallinas River) is impaired for nutrients but there is no TMDL
- No current nutrient effluent limits – monitor only
- Current performance (1/month sampling frequency, 11/2017 – 4/2019)

Parameter	Minimum	Maximum	Average
Total Nitrogen (TN)	2.5 mg/L	18.0 mg/L	10.2 mg/L
Total Phosphorus (TP)	0.28 mg/L	3.1 mg/L	1.7 mg/L

- Applicable nutrient threshold values: 0.37 mg/L TN & 0.061 mg/L TP

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